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PASSWORD:

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                 Web Page URLs for STN Seminar Schedule - N. America
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                 "Ask CAS" for self-help around the clock
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     3 May 12
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     4 May 12
                 Polymer links for the POLYLINK command completed in REGISTRY
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         May 27
                 New UPM (Update Code Maximum) field for more efficient patent
                 SDIs in CAplus
NEWS
         May 27
                 CAplus super roles and document types searchable in REGISTRY
         Jun 28
                 Additional enzyme-catalyzed reactions added to CASREACT
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      7
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         Jun 28
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         Jul 12
                 BEILSTEIN enhanced with new display and select options,
                 resulting in a closer connection to BABS
NEWS 10
         Jul 30
                 BEILSTEIN on STN workshop to be held August 24 in conjunction
                 with the 228th ACS National Meeting
NEWS 11 AUG 02
                 IFIPAT/IFIUDB/IFICDB reloaded with new search and display
                 fields
NEWS 12
         AUG 02
                 CAplus and CA patent records enhanced with European and Japan
                 Patent Office Classifications
NEWS 13 AUG 02
                 STN User Update to be held August 22 in conjunction with the
                 228th ACS National Meeting
NEWS 14 AUG 02
                 The Analysis Edition of STN Express with Discover!
                 (Version 7.01 for Windows) now available
NEWS 15
         AUG 04
                 Pricing for the Save Answers for SciFinder Wizard within
                 STN Express with Discover! will change September 1, 2004
NEWS 16 AUG 27
                 BIOCOMMERCE: Changes and enhancements to content coverage
                 BIOTECHABS/BIOTECHDS: Two new display fields added for legal
NEWS 17 AUG 27
                 status data from INPADOC
NEWS 18
         SEP 01
                 INPADOC: New family current-awareness alert (SDI) available
                 New pricing for the Save Answers for SciFinder Wizard within
                 STN Express with Discover!
                 New display format, HITSTR, available in WPIDS/WPINDEX/WPIX
NEWS 20
         SEP 01
NEWS 21
        SEP 14 STN Patent Forum to be held October 13, 2004, in Iselin, NJ
NEWS EXPRESS JULY 30 CURRENT WINDOWS VERSION IS V7.01, CURRENT
              MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
              AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
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              STN Operating Hours Plus Help Desk Availability
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              Direct Dial and Telecommunication Network Access to STN
              CAS World Wide Web Site (general information)
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=> file reg
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FULL ESTIMATED COST

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STRUCTURE FILE UPDATES: 20 SEP 2004 HIGHEST RN 748739-98-2 DICTIONARY FILE UPDATES: 20 SEP 2004 HIGHEST RN 748739-98-2

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

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ENTER SCREEN EXPRESSION OR (END):end

=>
Uploading C:\STNEXP4\QUERIES\10808027-2.str

chain nodes :
7 8 9 10 12 14 15 21

ring nodes :

1 2 3 4 5 6 13 16 17 18 19 20

chain bonds :

1-12 4-7 5-8 7-21 8-9 8-10 12-13 12-14 12-15

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 13-16 13-20 16-17 17-18 18-19 19-20

exact/norm bonds :

 $1-12 \quad 4-7 \quad 7-21 \quad 8-9 \quad 8-10 \quad 12-13 \quad 12-14 \quad 12-15 \quad 13-16 \quad 13-20 \quad 16-17 \quad 17-18 \quad 18-19$

19-20

exact bonds :

5-8

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

G1:0,N

Match level:

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS 12:CLASS 13:Atom 14:CLASS 15:CLASS 16:Atom 17:Atom 18:CLASS 19:Atom 20:Atom 21:CLASS

STRUCTURE UPLOADED L1

=> que L1

QUE L1 L2

=> d 11

L1 HAS NO ANSWERS

L1STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT * Structure attributes must be viewed using STN Express query preparation.

=> s 11 sss sam SAMPLE SEARCH INITIATED 15:54:27 FILE 'REGISTRY' SAMPLE SCREEN SEARCH COMPLETED - 14 TO ITERATE

100.0% PROCESSED 14 ITERATIONS SEARCH TIME: 00.00.01

4 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 56 TO 504 4 TO 200 PROJECTED ANSWERS:

L3 4 SEA SSS SAM L1

=> d scan

L3 4 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN

Phosphonic acid, [[4-[[3-[[[5-(aminocarbonyl)-1-methyl-3-propyl-1H-pyrazol-4-yl]amino]carbonyl]-4-ethoxyphenyl]sulfonyl]-1-piperazinyl]methyl]-, diethyl ester (9CI)

MF C26 H41 N6 O8 P S

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):3

L3 4 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN Benzamide, 2-ethoxy-5-[(4-phenyl-1-piperazinyl)sulfonyl]- (9CI)
MF C19 H23 N3 O4 S

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 4 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN

IN 1H-Pyrazole-5-carboxamide, 4-[[6-ethoxy-3-[(4-methyl-1-piperazinyl)sulfonyl]-2-pentadecylbenzoyl]amino]-1-methyl-3-propyl-(9CI)
MF C37 H62 N6 O5 S

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 4 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN

IN Phosphonic acid, [[4-[[3-[[[5-(aminocarbonyl)-1-methyl-3-propyl-1H-pyrazol-4-yl]amino]carbonyl]-4-propoxyphenyl]sulfonyl]-1-piperazinyl]methyl]-, diethyl ester (9CI)

MF C27 H43 N6 O8 P S

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> s l1 sss ful FULL SEARCH INITIATED 15:54:54 FILE 'REGISTRY' FULL SCREEN SEARCH COMPLETED - 234 TO ITERATE

100.0% PROCESSED 234 ITERATIONS

58 ANSWERS

SEARCH TIME: 00.00.01

L4 58 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION

FULL ESTIMATED COST

155.84 156.05

FILE 'CAPLUS' ENTERED AT 15:55:00 ON 21 SEP 2004
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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 14 L5 27 L4

=> d 15 1-27 bib hitstr

L5 ANSWER 1 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2004:662568 CAPLUS

DN 141:140462

TI A process for the preparation of sildenafil and its intermediates

IN Cepanec, Ivica; Litvic, Mladen; Ljubic, Goranka; Mikuldas, Hrvoje; Mikotic-Mihun, Zvonimira

PA Belupo - Lijekovi i Kozmetika D.O.O., Croatia

SO Croat. Pat. Appl., 10 pp. CODEN: HRXXB9

DT Patent

LA Croatian

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE ______ ____ -----PIHR 2000000279 A1 20011231 HR 2000-279 20000509 PRAI HR 2000-279 20000509

OS MARPAT 141:140462

IT 727408-29-9P

RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (target intermediate; preparation of sildenafil via heterocyclization of intermediate (N-pyrazolyl)benzamide derivs.)

RN 727408-29-9 CAPLUS

CN 1H-Pyrazole-5-carboxylic acid, 4-[[2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]benzoyl]amino]-1-methyl-3-propyl-, methyl ester (9CI) (CA INDEX NAME)

IT 727408-30-2P 727408-31-3P 727408-32-4P

RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)

(target intermediate; preparation of sildenafil via heterocyclization of intermediate (N-pyrazolyl)benzamide derivs.)

RN 727408-30-2 CAPLUS

CN 1H-Pyrazole-5-carboxylic acid, 4-[[2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]benzoyl]amino]-1-methyl-3-propyl-, butyl ester (9CI) (CA INDEX NAME)

RN 727408-31-3 CAPLUS
CN 1H-Pyrazole-5-carboxylic acid, 4-[[2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]benzoyl]amino]-1-methyl-3-propyl-, ethyl ester (9CI) (CA INDEX NAME)

RN 727408-32-4 CAPLUS
CN 1H-Pyrazole-5-carboxylic acid, 4-[[2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]benzoyl]amino]-1-methyl-3-propyl-, propyl ester (9CI) (CA INDEX NAME)

- L5 ANSWER 2 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
- AN 2004:303269 CAPLUS
- DN 141:71608
- TI Synthesis and phosphodiesterase 5 inhibitory activity of new sildenafil analogues containing a phosphonate group in the 5'-sulfonamide moiety of phenyl ring
- AU Kim, Dae-Kee; Lee, Ju Young; Park, Hyun-Ju; Thai, Khac Minh
- CS College of Pharmacy, Ewha Womans University, Seoul, 120-750, S. Korea
- SO Bioorganic & Medicinal Chemistry Letters (2004), 14(9), 2099-2103 CODEN: BMCLE8; ISSN: 0960-894X
- PB Elsevier Science B.V.
- DT Journal
- LA English
- IT 374776-53-1P 712349-25-2P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and cyclization reaction of piperazinyl phosphonate chlorosulfonyl derivs. to give sildenafil analogs)

- RN 374776-53-1 CAPLUS
- CN Phosphonic acid, [[4-[[3-[[[5-(aminocarbonyl)-1-methyl-3-propyl-1H-pyrazol-4-yl]amino]carbonyl]-4-propoxyphenyl]sulfonyl]-1-piperazinyl]methyl]-, diethyl ester (9CI) (CA INDEX NAME)

- RN 712349-25-2 CAPLUS
- CN Phosphonic acid, [2-[4-[[3-[[[5-(aminocarbonyl)-1-methyl-3-propyl-1H-pyrazol-4-yl]amino]carbonyl]-4-propoxyphenyl]sulfonyl]-1-piperazinyl]ethyl]-, diethyl ester (9CI) (CA INDEX NAME)

RE.CNT 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 3 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN

ΑN 2003:964753 CAPLUS

DN139:395941

TI Preparation of sildenafil

IN Pang, Yuhua; Wang, Ning; Wang, Xiaoyan; Qi, Shangzhong; Fu, Heliang

Tianpu Biochemical Pharmaceuticals Factory, Changzhou, Peop. Rep. China PΑ

SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 11 pp. CODEN: CNXXEV

DTPatent

LΑ Chinese

FAN.CNT 1

1111.011 1				
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI CN 1358722	Α	20020717	CN 2001-124175	20010821
PRAI CN 2001-124175		20010821		

OS CASREACT 139:395941

IT 200575-15-1P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of sildenafil)

200575-15-1 CAPLUS RN

1H-Pyrazole-5-carboxamide, 4-[[2-ethoxy-5-[(4-methyl-1-CN piperazinyl)sulfonyl]benzoyl]amino]-1-methyl-3-propyl- (9CI) (CA INDEX NAME)

ANSWER 4 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN L5 AN 2003:376548 CAPLUS 138:385450 DN ΤI Preparation of perdeuterated pyrazolopyrimidinones, e.g, sildenafil, as inhibitors of thrombocyte adhesion and aggregation for the treatment of heart and cardiovascular diseases Alken, Rudolf-Giesbert IN PΑ Berolina Drug Development AB, Swed.; BDD Group Holding AG SO PCT Int. Appl., 31 pp. CODEN: PIXXD2 DT Patent German LA FAN.CNT 1 PATENT NO. KIND DATE APPLICATION NO. DATE _-_-ΡI WO 2003039439 A2 20030515 WO 2002-DE4216 20021107 WO 2003039439 А3 20031016 AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG DE 10155018 20030710 A1 DE 2001-10155018 EP 1444234 20040811 A2 EP 2002-779219 20021107 AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, R: IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK PRAI DE 2001-10155018 Α 20011107 WO 2002-DE4216 W 20021107 OS MARPAT 138:385450 IT526203-34-9P 526203-36-1P RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (intermediate; preparation of perdeuterated pyrazolopyrimidinones, e.g,

sildenafil, as inhibitors of thrombocyte adhesion and aggregation for the treatment of heart and cardiovascular diseases)

RN526203-34-9 CAPLUS

 $\texttt{Benzoic-2,4,5-d3} \ \texttt{acid-d,} \ \texttt{6-(ethoxy-d5)-3-[[4-(methyl-d3)-1-piperazinyl-d3)-3-[[4-(methyl-d3)-1-piperazinyl-d3)-1-piperazinyl-d3)-1-piperazinyl-d3)-1-piperazinyl-d3)$ CN 2,2,3,3,5,5,6,6-d8]sulfonyl]- (9CI) (CA INDEX NAME)

RN

526203-36-1 CAPLUS 1H-Pyrazole-5-carboxamide, 4-[[6-(ethoxy-d5)-3-[[4-(methyl-d3)-1-piperazinyl-2,2,3,3,5,5,6,6-d8]sulfonyl]benzoyl-2,4,5-d3]amino]-1-(methyl-d3)-3-propyl- (9CI) (CA INDEX NAME) CN

```
L5
     ANSWER 5 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
AN
     2003:154433 CAPLUS
DN
     138:153550
ΤI
     Preparation of pyrazolopyrimidine derivatives for treatment of impotence
IN
     Liu, Baoshun
PA
     Peop. Rep. China
SO
     PCT Int. Appl., 20 pp.
     CODEN: PIXXD2
DT
     Patent
LΑ
     Chinese
FAN.CNT 1
     PATENT NO.
                        KIND
                               DATE
                                          APPLICATION NO.
                                                                DATE
                                          ______
PΙ
     WO 2003016313
                        A1
                               20030227
                                          WO 2002-CN433
                                                                20020621
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            HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS,
        CN 1393444
                         Α
                               20030129
                                        CN 2002-100198
                                                                20020118
    CN 1127506
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                               20031112
    EP 1400522
                              20040324
                                         EP 2002-754139
                        A1
                                                                20020621
           AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
            IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
    HK 1053108
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                                         HK 2003-105310
                                                                20030723
    US 2004152709
                        A1
                              20040805
                                          US 2003-736732
                                                                20031216
PRAI CN 2001-129691
                        Α
                              20010629
    CN 2002-100198
                        Α
                              20020118
    WO 2002-CN433
                        W
                              20020621
OS
    CASREACT 138:153550; MARPAT 138:153550
    496835-32-6P 496835-34-8P
    RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
    (Reactant or reagent)
        (preparation of pyrazolopyrimidine derivs. for treatment of impotence)
    496835-32-6 CAPLUS
RN
    Benzoic acid, 5-[[(3R,5S)-3,5-dimethyl-1-piperazinyl]sulfonyl]-2-ethoxy-,
CN
    rel- (9CI)
               (CA INDEX NAME)
```

Relative stereochemistry.

RN 496835-34-8 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 4-[[5-[[(3R,5S)-3,5-dimethyl-1-piperazinyl]sulfonyl]-2-ethoxybenzoyl]amino]-1-methyl-3-propyl-, rel-

(9CI) (CA INDEX NAME)

Relative stereochemistry.

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L5 ANSWER 6 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
- AN 2002:877396 CAPLUS
- DN 138:82919
- TI Synthesis of Sildenafil Analogues from Anacardic Acid and Their Phosphodiesterase-5 Inhibition
- AU Paramashivappa, R.; Kumar, P. Phani; Rao, P. V. Subba; Rao, A. Srinivasa
- CS Vittal Mallya Scientific Research Foundation, Bangalore, 560 004, India
- Journal of Agricultural and Food Chemistry (2002), 50(26), 7709-7713 CODEN: JAFCAU; ISSN: 0021-8561
- PB American Chemical Society
- DT Journal
- LA English
- OS CASREACT 138:82919
- IT 485386-88-7P 485387-01-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(synthesis of sildenafil analogs from anacardic acid and their phosphodiesterase-5 inhibition)

- RN 485386-88-7 CAPLUS
- CN 1H-Pyrazole-5-carboxamide, 4-[[6-ethoxy-3-[(4-methyl-1-piperazinyl)sulfonyl]-2-pentadecylbenzoyl]amino]-1-methyl-3-propyl-(9CI) (CA INDEX NAME)

- RN 485387-01-7 CAPLUS
- CN 1H-Pyrazole-5-carboxamide, 4-[[6-methoxy-3-[(4-methyl-1-piperazinyl)sulfonyl]-2-pentadecylbenzoyl]amino]-1-methyl-3-propyl-(9CI) (CA INDEX NAME)

RE.CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 7 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2002:717099 CAPLUS

DN 137:232668

TI Preparation of pyrazolopyridopyrimidines as cGMP phosphodiesterase inhibitors

IN Macor, John E.; Bi, Yingzhi

PA Bristol-Myers Squibb Co., USA

SO U.S. Pat. Appl. Publ., 14 pp. CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

IAM CIVI I				
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 2002133008	A1	20020919	US 2001-809946	20010316
US 6642244	B2	20031104		
PRAI US 2001-809946		20010316		
OS MARPAT 137:232668				

IT 194602-23-8 215299-79-9

RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation of pyrazolopyridopyrimidines as cGMP phosphodiesterase
 inhibitors)

RN 194602-23-8 CAPLUS

CN Benzoic acid, 2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)

RN 215299-79-9 CAPLUS

CN Benzoic acid, 5-[(4-ethyl-1-piperazinyl)sulfonyl]-2-propoxy- (9CI) (CA INDEX NAME)

- L5 ANSWER 8 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
- AN 2002:641077 CAPLUS
- DN 138:280726
- TI 8-Arylxanthines potent inhibitors of phosphodiesterase 5
- AU Arnold, Ruth; Beer, David; Bhalay, Gurdip; Baettig, Urs; Collingwood, Stephen P.; Craig, Sarah; Devereux, Nicholas; Dunstan, Andrew; Glen, Angela; Gomez, Sylvie; Haberthuer, Sandra; Howe, Trevor; Jelfs, Stephen; Moser, Heinz; Naef, Reto; Nicklin, Paul; Sandham, David; Stringer, Rowan; Turner, Katharine; Watson, Simon; Zurini, Mauro
- CS Novartis Horsham Research Centre, Horsham, RH12 5AB, UK
- SO Bioorganic & Medicinal Chemistry Letters (2002), 12(18), 2587-2590 CODEN: BMCLE8; ISSN: 0960-894X
- PB Elsevier Science Ltd.
- DT Journal
- LA English
- OS CASREACT 138:280726
- IT 194602-23-8

RL: RCT (Reactant); RACT (Reactant or reagent)
(8-arylxanthines as potent inhibitors of phosphodiesterase 5)

- RN 194602-23-8 CAPLUS
- CN Benzoic acid, 2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)

RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

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ANSWER 9 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
AN
     2002:157776 CAPLUS
DN
     136:210608
TΙ
     Preparation of polyethoxylated pyrazolo-pyrimidinone derivatives and their
     pharmaceutical compositions for the treatment of impotence
IN
     Chung, Bong-Youl; Lee, In-Sang; Park, Bong-Jun; Kim, Young-Keun; Kim,
     Sung-Ji; Yoon, Seung-Hyun
PA
     LG Chem Investment Ltd., S. Korea
SO
     PCT Int. Appl., 37 pp.
     CODEN: PIXXD2
DT
     Patent
LΑ
     English
FAN.CNT 1
     PATENT NO.
                          KIND
                                  DATE
                                               APPLICATION NO.
                                                                       DATE
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ΡI
     WO 2002016364
                          A1
                                  20020228
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                                                                       20000823
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             HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD,
              SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
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     AU 2000067375
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PRAI WO 2000-KR951
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     MARPAT 136:210608
OS
ΙT
     401796-24-5P 401796-27-8P 401796-31-4P
     401796-32-5P 401796-33-6P 401796-34-7P
     401796-35-8P 401796-36-9P
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (preparation of polyethoxylated pyrazolo-pyrimidinone derivs. and their
        pharmaceutical compns. for the treatment of impotence and
        cardiovascular disorders)
RN
     401796-24-5 CAPLUS
CN
     Benzoic acid, 2-ethoxy-5-[[4-(3,6,9,12-tetraoxatridec-1-y1)-1-
     piperazinyl]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)
```

PAGE 1-A

PAGE 1-B

RN 401796-27-8 CAPLUS

CN Benzoic acid, 2-ethoxy-5-[[4-(3,6,9,12,15,18,21-heptaoxadocos-1-yl)-1-piperazinyl]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)

PAGE 1-A

 ${\tt MeO-CH_2-CH_2-O-CH_2-CH_2-O-CH_2-CH_2-O-CH_2-CH_2-O-CH_2-CH_2-O-CH_2-CH_2-O-CH_2-CH_2-O-CH_2-CH_2-O-CH$

PAGE 1-B

RN 401796-31-4 CAPLUS

CN Benzoic acid, 2-ethoxy-5-[[4-(26-hydroxy-3,6,9,12,15,18,21,24-octaoxahexacos-1-yl)-1-piperazinyl]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)

PAGE 1-A

HO - CH2 - CH2 - O - CH2 - CH2

PAGE 1-C

RN 401796-32-5 CAPLUS CN Poly(oxy-1,2-ethanediyl), α -[2-[4-[[4-ethoxy-3-(methoxycarbonyl)phenyl]sulfonyl]-1-piperazinyl]ethyl]- ω -methoxy-(9CI) (CA INDEX NAME)

RN 401796-33-6 CAPLUS
CN 1H-Pyrazole-5-carboxamide, 4-[[2-ethoxy-5-[[4-(3,6,9,12-tetraoxatridec-1-yl)-1-piperazinyl]sulfonyl]benzoyl]amino]-1-methyl-3-propyl- (9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

- CH₂- CH₂- OMe

RN 401796-34-7 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 4-[[2-ethoxy-5-[[4-(3,6,9,12,15,18,21-heptaoxadocos-1-yl)-1-piperazinyl]sulfonyl]benzoyl]amino]-1-methyl-3-propyl- (9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

$$-$$
 CH₂ $-$ CH₂ $-$ O $-$ CH₂ $-$ CH₂ $-$ O $-$ CH₂ $-$ CH₂ $-$ OMe

RN 401796-35-8 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 4-[[2-ethoxy-5-[[4-(26-hydroxy-3,6,9,12,15,18,21,24-octaoxahexacos-1-yl)-1-piperazinyl]sulfonyl]benzoyl]a mino]-1-methyl-3-propyl- (9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 1-B

$$- \mathtt{CH}_2 - \mathtt{CH}_2 - \mathtt{O} - \mathtt{CH}_2 - \mathtt{CH}_2 - \mathtt{O} - \mathtt{CH}_2 -$$

PAGE 1-C

— cн₂ -- cн₂ -- он

RN 401796-36-9 CAPLUS

CN Poly(oxy-1,2-ethanediyl), $\alpha-[2-[4-[[3-[[5-(aminocarbonyl)-1-methyl-3-propyl-1H-pyrazol-4-yl]amino]carbonyl]-4-ethoxyphenyl]sulfonyl]-1-piperazinyl]ethyl]-<math>\omega$ -methoxy- (9CI) (CA INDEX NAME)

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

```
L5
      ANSWER 10 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
ΑN
      2001:935606 CAPLUS
DN
      136:53761
TΙ
      Novel process for the preparation of pyrazolopyrimidinones
IN
      Bunnage, Mark Edward; Levett, Philip Charles; Thomson, Nicholas Murray
PA
      Pfizer Limited, UK; Pfizer Inc.
SO
      PCT Int. Appl., 63 pp.
      CODEN: PIXXD2
DT
      Patent
LΑ
      English
FAN.CNT 1
     PATENT NO.
                         KIND
                                  DATE
                                             APPLICATION NO.
                                                                      DATE
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                          A1 20011227 WO 2001-IB1038 20010607
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              GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT,
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         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
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                                  20030701
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                      B2
A
A1 2004c
A 20000622
A 20010309
D 20000712
20010516
-01060
                          A1
                                             US 2001-886643
                                  20020131
                                                                       20010621
     US 6730786
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                                                                       20021219
     US 2004110948
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                                                                       20031201
PRAI GB 2000-15462
GB 2001-5878
     US 2000-217794P
     US 2001-291026P
     WO 2001-IB1038
     US 2001-886643
                          A3
                                  20010621
     CASREACT 136:53761; MARPAT 136:53761
OS
IT
     304435-84-5P
     RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic
     preparation); PREP (Preparation); RACT (Reactant or reagent)
        (novel process for the preparation of pyrazolopyrimidinones)
RN
     304435-84-5 CAPLUS
     Benzoic acid, 2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]-, ethyl ester
CN
     (9CI) (CA INDEX NAME)
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IT 194602-23-8

RL: RCT (Reactant); RACT (Reactant or reagent)
(novel process for the preparation of pyrazolopyrimidinones)

RN 194602-23-8 CAPLUS

CN Benzoic acid, 2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L5
      ANSWER 11 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
 AN
      2001:935589 CAPLUS
 DN
      136:69817
 TI
      Process for the preparation of pyrazolopyrimidinones (e.g. Sildenafil) by
      cyclocondensation of benzimidates with aminopyrazolecarboxamides.
 IN
      Dunn, Peter James; Dunne, Catherine
 PA
      Pfizer Limited, UK; Pfizer Inc.
 SO
      PCT Int. Appl., 68 pp.
      CODEN: PIXXD2
DT
      Patent
LΑ
     English
FAN.CNT 1
      PATENT NO.
                          KIND
                                   DATE APPLICATION NO.
                                                                        DATE
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                           ____
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                          A1 20011227 WO 2001-IB1050 20010611
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      WO 2001098284
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              RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
          RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
              BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
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     BR 2001011581
                     A
                                  20030325 BR 2001-11581
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    JP 2004501142
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PRAI GB 2000-15472
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     WO 2001-IB1050
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     CASREACT 136:69817; MARPAT 136:69817
OS
IT
     383427-87-0P
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (intermediate; process for preparation of pyrazolopyrimidinones (e.g.
        Sildenafil) by cyclocondensation of benzimidates with
        aminopyrazolecarboxamides)
     383427-87-0 CAPLUS
RN
CN
     Benzamide, 2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX
     NAME)
```

IT 194602-23-8, 2-Ethoxy-5-(4-methyl-1-piperazinylsulfonyl)benzoic acid

RL: RCT (Reactant); RACT (Reactant or reagent) (reactant; process for preparation of pyrazolopyrimidinones (e.g. Sildenafil) by cyclocondensation of benzimidates with aminopyrazolecarboxamides)

RN 194602-23-8 CAPLUS

CN Benzoic acid, 2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L5
     ANSWER 12 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
AN
     2001:851163 CAPLUS
DN
     136:6002
TI
     Preparation of pyrazolopyrimidinones as PDE V inhibitors
IN
     Kim, Dae-Kee; Lee, Ju Young; Lee, Nam Kyu; Ryu, Do Hyun; Kim, Jae-Sun;
     Choi, Jin Young; Lee, Suk Ho; Im, Guang-Jin; Cha, Hoon; Kim, Tae Kon; Kim,
     Key Hyup
PΑ
     SK Chemicals Co., Ltd., S. Korea
SO
     PCT Int. Appl., 100 pp.
     CODEN: PIXXD2
DT
     Patent
LΑ
     English
FAN.CNT 1
     PATENT NO.
                          KIND
                                  DATE
                                              APPLICATION NO.
                                                                      DATE
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                                                                      _____
     WO 2001087888
                           A1
                                  20011122
                                             WO 2000-KR480
                                                                      20000517
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             CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL,
             IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,
             MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM,
             AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
             DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
             CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
PRAI WO 2000-KR480
                                 20000517
OS
     MARPAT 136:6002
     374776-43-9P 374776-44-0P 374776-45-1P
ΙT
     374776-46-2P 374776-50-8P 374776-51-9P
     374776-52-0P 374776-53-1P
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (preparation of pyrazolopyrimidinones as PDE V inhibitors)
RN
     374776-43-9 CAPLUS
CN
     1-Piperazineacetic acid, 4-[[3-[[[5-(aminocarbonyl)-1-methyl-3-propyl-1H-
     pyrazol-4-yl]amino]carbonyl]-4-ethoxyphenyl]sulfonyl]-, ethyl ester (9CI)
     (CA INDEX NAME)
```

RN 374776-44-0 CAPLUS

CN 1-Piperazineacetic acid, 4-[[3-[[[5-(aminocarbonyl)-1-methyl-3-propyl-1H-pyrazol-4-yl]amino]carbonyl]-4-propoxyphenyl]sulfonyl]-, ethyl ester (9CI) (CA INDEX NAME)

RN 374776-45-1 CAPLUS

CN 1-Piperazinepropanoic acid, 4-[[3-[[[5-(aminocarbonyl)-1-methyl-3-propyl-1H-pyrazol-4-yl]amino]carbonyl]-4-ethoxyphenyl]sulfonyl]-, ethyl ester (9CI) (CA INDEX NAME)

RN 374776-46-2 CAPLUS

CN 1-Piperazinepropanoic acid, 4-[[3-[[[5-(aminocarbonyl)-1-methyl-3-propyl-1H-pyrazol-4-yl]amino]carbonyl]-4-propoxyphenyl]sulfonyl]-, ethyl ester (9CI) (CA INDEX NAME)

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RN 374776-50-8 CAPLUS

CN Phosphonic acid, [[4-[[3-[[[5-(aminocarbonyl)-1-methyl-3-propyl-1H-pyrazol-4-yl]amino]carbonyl]-4-ethoxyphenyl]sulfonyl]-1-piperazinyl]methyl]-, dimethyl ester (9CI) (CA INDEX NAME)

RN 374776-51-9 CAPLUS

CN Phosphonic acid, [[4-[[3-[[[5-(aminocarbonyl)-1-methyl-3-propyl-1H-pyrazol-4-yl]amino]carbonyl]-4-propoxyphenyl]sulfonyl]-1-piperazinyl]methyl]-, dimethyl ester (9CI) (CA INDEX NAME)

RN 374776-52-0 CAPLUS

CN Phosphonic acid, [[4-[[3-[[[5-(aminocarbonyl)-1-methyl-3-propyl-1H-pyrazol-4-yl]amino]carbonyl]-4-ethoxyphenyl]sulfonyl]-1-piperazinyl]methyl]-, diethyl ester (9CI) (CA INDEX NAME)

RN 374776-53-1 CAPLUS

CN Phosphonic acid, [[4-[[3-[[[5-(aminocarbonyl)-1-methyl-3-propyl-1H-pyrazol-4-yl]amino]carbonyl]-4-propoxyphenyl]sulfonyl]-1-piperazinyl]methyl]-, diethyl ester (9CI) (CA INDEX NAME)

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L5 ANSWER 13 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
- AN 2001:845790 CAPLUS
- DN 136:183784
- TI Synthesis and phosphodiesterase inhibitory activity of new sildenafil analogs containing a carboxylic acid group in the 5'-sulfonamide moiety of the phenyl ring
- AU Kim, Dae-Kee; Lee, Ju Young; Lee, Namkyu; Ryu, Do Hyun; Kim, Jae-Sun; Lee, Sukho; Choi, Jin-Young; Ryu, Je-Ho; Kim, Nam-Ho; Im, Guang-Jin; Choi, Won-Son; Kim, Tae-Kon
- CS Life Science Research Center, SK Chemicals, Suwon-Si, 440-745, S. Korea
- SO Bioorganic & Medicinal Chemistry (2001), 9(11), 3013-3021 CODEN: BMECEP; ISSN: 0968-0896
- PB Elsevier Science Ltd.
- DT Journal
- LA English
- OS CASREACT 136:183784
- IT 374776-43-9P 374776-44-0P 374776-45-1P 374776-46-2P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and phosphodiesterase inhibitory activity of sildenafil analogs containing a carboxylic acid group in 5'-sulfonamide moiety of Ph ring)

RN 374776-43-9 CAPLUS

CN 1-Piperazineacetic acid, 4-[[3-[[[5-(aminocarbonyl)-1-methyl-3-propyl-1H-pyrazol-4-yl]amino]carbonyl]-4-ethoxyphenyl]sulfonyl]-, ethyl ester (9CI) (CA INDEX NAME)

RN 374776-44-0 CAPLUS

CN 1-Piperazineacetic acid, 4-[[3-[[[5-(aminocarbonyl)-1-methyl-3-propyl-1H-pyrazol-4-yl]amino]carbonyl]-4-propoxyphenyl]sulfonyl]-, ethyl ester (9CI) (CA INDEX NAME)

RN 374776-45-1 CAPLUS

CN 1-Piperazinepropanoic acid, 4-[[3-[[[5-(aminocarbonyl)-1-methyl-3-propyl-1H-pyrazol-4-yl]amino]carbonyl]-4-ethoxyphenyl]sulfonyl]-, ethyl ester (9CI) (CA INDEX NAME)

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S & N & O & O & O \\
O & O & O & O & O \\
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RN 374776-46-2 CAPLUS

CN 1-Piperazinepropanoic acid, 4-[[3-[[[5-(aminocarbonyl)-1-methyl-3-propyl-1H-pyrazol-4-yl]amino]carbonyl]-4-propoxyphenyl]sulfonyl]-, ethyl ester (9CI) (CA INDEX NAME)

RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L5 ANSWER 14 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN AN 2001:618004 CAPLUS DN 135:195571
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TI Preparation of pyrrolopyrimidinones as cGMP PDE V inhibitors

IN Kim, Dae-Kee; Lee, Ju Young; Ryu, Do Hyun; Lee, Nam Kyu; Lee, Suk Ho; Kim, Nam-Ho; Kim, Jae-Sun; Ryu, Je Ho; Choi, Jin-Young; Im, Guang-Jin; Choi, Won-Son; Kim, Tae Kon; Cha, Hoon

PA SK Chemicals Co., Ltd., S. Korea; In2Gen Co., Ltd.

SO PCT Int. Appl., 190 pp. CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

FAN.	PATENT NO.			KIND DATE			APPLICATION NO.						DATE					
ΡI	WO	2001	0608	25		A1	_	2001	0823		WO 2	 001-	 KR22	- - 7		2	0010	215
		W:						AU,										
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								RO,										
				08395 A 20030311 BR 2001-83 23344 T2 20030805 JP 2001-56														
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		5208	42						NZ 2001-520842 AT 2001-908397									
	EP	1362		DII				2003									0020.	
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	NO	2002						RO, 2002:					2022				2020	212
		2002						2002. 2003:										
DDAT		2000						2003			יב מט	002	2043	<i>Z 1</i>		21	JUZI.	202
LIVAL		2001																
os						**		2001	0213									
IT	MARPAT 135:195571 356045-69-7																	
	RL: RCT (Reactant); RACT (Reactant or reagent)																	
	(preparation of pyrrolopyrimidinones as cGMP PDE V inhibitors)																	
RN	356	5045-				~ 1 \	op	J 11.		J.1CD	45 (COLIL	בענו	ا ملد	. 111.1.1.	LCOL	,	
CN		zoic				-vxc	11–7	4-(3-	-flu	oron	ropv]) -1-	-pipe	eraz	invl	lsul:	fonv	11-
		171						- , -			~~P J .	-, -	r-r	u 2.	<u>y</u> -	, ~	11 y	- 1

(9CI) (CA INDEX NAME)

IT 356044-99-0P 356045-00-6P 356045-01-7P

RN

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (preparation of pyrrolopyrimidinones as cGMP PDE V inhibitors)
356044-99-0 CAPLUS
1H-Pyrrole-2-carboxamide. 3-[[2-ethoxy-5-[[4-(3-fluoropropyl]-1-

CN 1H-Pyrrole-2-carboxamide, 3-[[2-ethoxy-5-[[4-(3-fluoropropyl)-1-piperazinyl]sulfonyl]benzoyl]amino]-4-ethyl-1-methyl- (9CI) (CA INDEX NAME)

RN 356045-00-6 CAPLUS

CN 1H-Pyrrole-2-carboxamide, 3-[[2-ethoxy-5-[[4-(3-fluoropropyl)-1-piperazinyl]sulfonyl]benzoyl]amino]-4-(3-fluoropropyl)-1-methyl- (9CI) (CA INDEX NAME)

RN 356045-01-7 CAPLUS

CN 1H-Pyrrole-2-carboxamide, 4-(cyclopropylmethyl)-3-[[2-ethoxy-5-[[4-(3-fluoropropyl)-1-piperazinyl]sulfonyl]benzoyl]amino]-1-methyl- (9CI) (CA INDEX NAME)

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L5 ANSWER 15 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
- AN 2000:818584 CAPLUS
- DN 134:115917
- TI Optimization of Substituted N-3-Benzylimidazoquinazolinone Sulfonamides as Potent and Selective PDE5 Inhibitors
- AU Rotella, David P.; Sun, Zhong; Zhu, Yeheng; Krupinski, John; Pongrac, Ronald; Seliger, Laurie; Normandin, Diane; Macor, John E.
- CS Departments of Discovery Chemistry and Metabolic and Cardiovascular Drug Discovery, Bristol-Myers Squibb Pharmaceutical Research Institute, Princeton, NJ, 08543-5400, USA
- SO Journal of Medicinal Chemistry (2000), 43(26), 5037-5043 CODEN: JMCMAR; ISSN: 0022-2623
- PB American Chemical Society
- DT Journal
- LA English
- OS CASREACT 134:115917
- IT 215299-79-9P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of substituted N-3-benzylimidazoquinazolinone sulfonamides as potent and selective PDE5 inhibitors)

- RN 215299-79-9 CAPLUS
- CN Benzoic acid, 5-[(4-ethyl-1-piperazinyl)sulfonyl]-2-propoxy- (9CI) (CA INDEX NAME)

RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 16 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2000:758131 CAPLUS

DN 133:281797

TI Synthesis of sildenafil

IN Fu, Heliang; Wang, Xiaoyan; Pang, Baohua; Wang, Ning; Ji, Shangzhong

PA Tianpu Biochemical Pharmaceutical Co., Ltd., Peop. Rep. China

SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 14 pp. CODEN: CNXXEV

DT Patent

LA Chinese

FAN.CNT 1

	7111. CIVI I						
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE		
E	PI CN 1246478	Α	20000308	CN 1999-109552	19990712		
	CN 1092660	В	20021016				
P	PRAI CN 1999-109552		19990712				
	NG CASDEACT 133.20170	7					

OS CASREACT 133:281797

IT 300547-20-0P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(Preparation of sildenafil)

RN 300547-20-0 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 4-[[2-ethoxy-5-(1-piperazinylsulfonyl)benzoyl]a mino]-1-methyl-3-propyl- (9CI) (CA INDEX NAME)

L5 ANSWER 17 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2000:595512 CAPLUS

DN 133:335213

TI Polymer-supported reagents for multi-step organic synthesis: application to the synthesis of sildenafil

AU Baxendale, I. R.; Ley, S. V.

CS Department of Chemistry, University of Cambridge, Cambridge, CB2 1EW, UK

SO Bioorganic & Medicinal Chemistry Letters (2000), 10(17), 1983-1986 CODEN: BMCLE8; ISSN: 0960-894X

PB Elsevier Science Ltd.

DT Journal

LA English

OS CASREACT 133:335213

IT 304435-84-5P

RL: BYP (Byproduct); PREP (Preparation)

(polymer-supported reagents for the synthesis of sildenafil)

RN 304435-84-5 CAPLUS

CN Benzoic acid, 2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]-, ethyl ester (9CI) (CA INDEX NAME)

IT 194602-23-8P 200575-15-1P 304435-85-6DP,

polymer-supported

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(polymer-supported reagents for the synthesis of sildenafil)

RN 194602-23-8 CAPLUS

CN Benzoic acid, 2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)

RN 200575-15-1 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 4-[[2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]benzoyl]amino]-1-methyl-3-propyl-(9CI) (CA INDEX NAME)

RN 304435-85-6 CAPLUS
CN Piperazine, 1-[[3-[(1H-benzotriazol-1-yloxy)carbonyl]-4-ethoxyphenyl]sulfonyl]-4-methyl- (9CI) (CA INDEX NAME)

RE.CNT 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 18 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2000:351203 CAPLUS

DN 132:347588

TI An improved process for preparing a therapeutically active pyrazolopyrimidinone derivative (sildenafil)

IN Chaudhari, Deoram Totaram; Deshpande, Pandurang Balwantrao; Khan, Rashid Abdul Rehman

PA Orchid Chemicals & Pharmaceuticals Ltd., India

SO Eur. Pat. Appl., 17 pp. CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE

EP 1002798 Al 20000524 EP 1998-122031 19981120

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO

PRAI EP 1998-122031

19981120

OS CASREACT 132:347588

IT 200575-15-1P

RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (improved process for preparing a therapeutically active pyrazolopyrimidinone derivative (sildenafil))

RN 200575-15-1 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 4-[[2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]benzoyl]amino]-1-methyl-3-propyl- (9CI) (CA INDEX NAME)

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L5
      ANSWER 19 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
AN
      2000:291043 CAPLUS
DN
      132:308353
TI
      Preparation of pyrazolopyrimidinones as cGMP phosphodiesterase inhibitors
IN
      Bunnage, Mark Edward; Maw, Graham Nigel; Rawson, David James; Wood,
      Anthony; Mathias, John Paul; Street, Stephen Derek Albert
PA
      Pfizer Limited, UK; Pfizer Inc.
SO
      PCT Int. Appl., 197 pp.
      CODEN: PIXXD2
DT
      Patent
LΑ
      English
FAN.CNT 2
      PATENT NO.
                            KIND
                                     DATE
                                                  APPLICATION NO.
                             ____
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                                                  _______
ΡI
      WO 2000024745
                                               WO 1999-IB1706
                            A1
                                     20000504
                                                                             19991019
          W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG,
               KZ, MD, RU, TJ, TM
          RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
               DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
               CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
     AU 9959956
                             A1
                                     20000515
                                                AU 1999-59956
                                                                             19991019
     BR 9915532
                             Α
                                     20010814
                                                  BR 1999-15532
                                                                             19991019
     EP 1123296
                                    20010816
                             A1
                                                  EP 1999-970992
                                                                             19991019
     EP 1123296
                             В1
                                    20030917
             AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
               IE, SI, LT, LV, FI, RO
     JP 2002528456
                            Т2
                                    20020903
                                                JP 2000-578315
                                                                             19991019
     AT 250063
                             E
                                    20031015
                                                  AT 1999-970992
                                                                             19991019
     PT 1123296
                            T
                                    20031231
                                                 PT 1999-970992
                                                                             19991019
     ES 2205945
                            Т3
                                    20040501
                                                  ES 1999-970992
                                                                             19991019
     US 6333330
                            В1
                                    20011225
                                                  US 1999-426554
                                                                             19991022
PRAI GB 1998-23101
                            Α
                                    19981023
     GB 1998-23102
                            A
                                    19981023
     WO 1999-IB1706
                             W
                                    19991019
OS
     MARPAT 132:308353
IT
     194602-23-8
     RL: RCT (Reactant); RACT (Reactant or reagent)
         (preparation of pyrazolopyrimidinones as cGMP phosphodiesterase inhibitors)
     194602-23-8 CAPLUS
RN
     Benzoic acid, 2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]- (9CI) (CA
CN
     INDEX NAME)
```

IT 265663-85-2P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT

(Reactant or reagent)

(preparation of pyrazolopyrimidinones as cGMP phosphodiesterase inhibitors)

RN 265663-85-2 CAPLUS

CN 1H-Pyrazole-5-carboxylic acid, 3-(aminocarbonyl)-4-[[2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]benzoyl]amino]-1-(phenylmethyl)-, methyl ester (9CI) (CA INDEX NAME)

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 20 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2000:277701 CAPLUS

DN 132:293775

- TI Preparation of pyrazolopyrimidinones as cGMP PDE5 inhibitors for the treatment of sexual dysfunction
- IN Bunnage, Mark Edward; Street, Stephen Derek Albert; Mathias, John Paul; Wood, Anthony
- PA Pfizer Inc., USA; Pfizer Limited
- SO Eur. Pat. Appl., 40 pp. CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

тти.	C14 T	_																
	PATENT NO.						KIND		DATE		APPLICATION NO.					DATE		
							_											
ΡI	ΕP	9957	51			A2		2000	0426	EP	19	99-3	3081	58		1:	9991	015
	EΡ	9957	51			А3		2000	1018									
		R:	AT,	BE,	CH,	DE,	DK,	ES,	FR,	GB, G	R,	IT,	LI,	LU,	NL,	SE,	MC,	PT,
			ΙE,	SI,	LT,	LV,	FI,	RO									•	•
	BR	9905	109			Α		2000	0926	BR	19	99-5	5109			19	9991	022
	US	6407	114			В1		2002	0618	US	19	99-4	4250	95		1 9	9991	022
	JР	2000	1288	84		A2		2000	0509	JΡ	19	99-3	3020	64			9991	
	ΜX	9909	816			Α		2000	0630	MX	19	99-9	9816				9991	
PRAI	GB	1998	-231	03		A		1998	1023									
OS	MAI	RPAT	132:2	2937	75													

IT 264920-20-9P 264920-22-1P 264920-23-2P

264920-24-3P 264920-25-4P 264920-26-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of pyrazolopyrimidinones as cGMP PDE5 inhibitors for the treatment of sexual dysfunction)

RN 264920-20-9 CAPLUS

CN Benzoic acid, 2-ethoxy-5-[[4-(2-hydroxyethyl)-1-piperazinyl]sulfonyl]-(9CI) (CA INDEX NAME)

RN 264920-22-1 CAPLUS

CN Benzamide, N-[4-cyano-3-(phenylmethyl)-1-propyl-1H-pyrazol-5-yl]-2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)

RN 264920-23-2 CAPLUS

CN lH-Pyrazole-4-carboxamide, 5-[[2-ethoxy-5-[[4-(2-hydroxyethyl)-1-piperazinyl]sulfonyl]benzoyl]amino]-3-(phenylmethyl)-1-propyl- (9CI) (CA INDEX NAME)

RN 264920-24-3 CAPLUS

CN 1H-Pyrazole-4-carboxamide, 5-[[2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]benzoyl]amino]-1-ethyl-3-phenyl-(9CI) (CA INDEX NAME)

RN 264920-25-4 CAPLUS

CN 1H-Pyrazole-4-carboxamide, 5-[[2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]benzoyl]amino]-3-[(phenylmethoxy)methyl]-1-propyl-(9CI) (CA INDEX NAME)

RN 264920-26-5 CAPLUS

CN 1H-Pyrazole-4-carboxamide, 5-[[2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]benzoyl]amino]-3-methyl-1-propyl-(9CI) (CA INDEX NAME)

```
L5
                ANSWER 21 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
   ΑN
                2000:259773 CAPLUS
   DN
                132:279229
               Preparation of pyrazolo[4,3-d]pyrimidin-7-ones
   TI
   IN Dunn, Peter James; Levett, Philip Charles
   PA Pfizer Limited, UK; Pfizer Research and Development Company, N.V./S.A.
   SO
                Eur. Pat. Appl., 20 pp.
                CODEN: EPXXDW
  DT
                Patent
  LA English
  FAN.CNT 1
                PATENT NO. KIND
                                                                                            DATE APPLICATION NO. DATE
                                                                      ----
                                                                                            _____
                                                                                                                             ______
               EP 994115
EP 994115
                                                                                            20000419 EP 1999-307996 19991011
                                                                       A2
  PΤ
                                                                         A3 20000524
                           R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO

IL 152923 A1 20040219 IL 1999-152923 19991007 IL 152924 A1 20040219 IL 1999-152924 19991007 IL 152926 A1 20040219 IL 1999-152926 19991007 IL 1999-152926 IP991009 IP991009 IP991009 IP991009 IP991009 IP991011 IL 1999-152926 IP991011 IL 1999-152926 IP991011 IP991012 IP991011 IP991012 IP991012 IP991011 IP991012 I
                                       IE, SI, LT, LV, FI, RO
               CASREACT 132:279229; MARPAT 132:279229
  OS
  IT
               263897-16-1P 263897-17-2P
               RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic
               preparation); PREP (Preparation); RACT (Reactant or reagent)
                         (preparation of pyrazolo[4,3-d]pyrimidin-7-ones)
 RN
               263897-16-1 CAPLUS
 CN
               Benzoic acid, 2-methoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]- (9CI) (CA
               INDEX NAME)
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RN 263897-17-2 CAPLUS
CN 1H-Pyrazole-5-carboxamide, 4-[[2-methoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]benzoyl]amino]-1-methyl-3-propyl- (9CI) (CA INDEX NAME)

L5 ANSWER 22 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2000:176119 CAPLUS

DN 132:342802

TI N-3-Substituted Imidazoquinazolinones: Potent and Selective PDE5
Inhibitors as Potential Agents for Treatment of Erectile Dysfunction
AU Rotella, David P.; Sun, Zhong; Zhu, Yeheng; Krupinski, John; Pongrac.

Rotella, David P.; Sun, Zhong; Zhu, Yeheng; Krupinski, John; Pongrac, Ronald; Seliger, Laurie; Normandin, Diane; Macor, John E.

CS Discovery Chemistry and Cardiovascular Drug Discovery, Bristol-Myers Squibb Pharmaceutical Research Institute, Princeton, NJ, 08543-5400, USA

SO Journal of Medicinal Chemistry (2000), 43(7), 1257-1263 CODEN: JMCMAR; ISSN: 0022-2623

PB American Chemical Society

DT Journal

LA English

IT 269731-53-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of imidazoquinazolinones as potent and selective PDE5 inhibitors and potential agents for treatment of erectile dysfunction)

RN 269731-53-5 CAPLUS

CN Benzoic acid, 5-[(4-methyl-1-piperazinyl)sulfonyl]-2-propoxy-, lithium salt (9CI) (CA INDEX NAME)

• Li

RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L5
     ANSWER 23 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
ΑN
     1999:795656 CAPLUS
DN
     132:35712
TI
     Preparation of quinazolinone inhibitors of cGMP phosphodiesterase
     Macor, John E.; Rotella, David P.; Weller, Harold N., III; Cushman, David
IN
     W.; Yevich, Joseph P.
PΑ
     Bristol-Myers Squibb Company, USA
SO
     PCT Int. Appl., 141 pp.
     CODEN: PIXXD2
DT
     Patent
LA
     English
FAN.CNT 1
     PATENT NO.
                        KIND
                               DATE
                                           APPLICATION NO.
     ______
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                               _____
                                           _____
                                         WO 1999-US12485
ΡI
     WO 9964004
                         A1
                               19991216
                                                                  19990602
        W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
            DK, EE, ES, FI, GB, GE, GH, GM, HU, ID, IL, IN, IS, JP, KE, KG,
            KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX,
            NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT,
            UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK,
            ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG,
            CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
    US 6087368
                         Α
                               20000711
                                         US 1999-322678
    CA 2334970
                               19991216
                         AA
                                          CA 1999-2334970
                                                                  19990602
    AU 9943332
                         Α1
                               19991230
                                          AU 1999-43332
                                                                  19990602
    AU 746586
                         В2
                               20020502
    EP 1085871
                         Α1
                               20010328
                                          EP 1999-955422
                                                                  19990602
            AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
PRAI US 1998-88538P
                               19980608
    WO 1999-US12485
                         W
                               19990602
OS
    MARPAT 132:35712
IT
    215299-79-9P 252233-57-1P 252233-58-2P
    252233-60-6P
    RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (preparation of quinazolinone inhibitors of cGMP phosphodiesterase)
    215299-79-9 CAPLUS
```

Benzoic acid, 5-[(4-ethyl-1-piperazinyl)sulfonyl]-2-propoxy- (9CI)

Et OPr-n

ester (9CI) (CA INDEX NAME)

INDEX NAME)

RN CN

RN 252233-57-1 CAPLUS
CN Benzoic acid, 5-[(4-methyl-1-piperazinyl)sulfonyl]-2-propoxy-, methyl

RN 252233-58-2 CAPLUS

CN Benzoic acid, 5-[(4-ethyl-1-piperazinyl)sulfonyl]-2-propoxy-, methyl ester (9CI) (CA INDEX NAME)

RN 252233-60-6 CAPLUS

CN Benzoic acid, 5-[(4-methyl-1-piperazinyl)sulfonyl]-2-propoxy- (9CI) (CA INDEX NAME)

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 24 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1999:784593 CAPLUS

DN 132:109700

TI The Chemical Development of the Commercial Route to Sildenafil: A Case History

AU Dale, David J.; Dunn, Peter J.; Golightly, Clare; Hughes, Michael L.; Levett, Philip C.; Pearce, Andrew K.; Searle, Patricia M.; Ward, Gordon; Wood, Albert S.

CS Department of Process Research and Development, Pfizer Central Research Laboratories, Sandwich Kent, CT13 9NJ, UK

Organic Process Research & Development (2000), 4(1), 17-22 CODEN: OPRDFK; ISSN: 1083-6160

PB American Chemical Society

DT Journal

LA English

IT 194602-23-8P, 2-Ethoxy-5-(4-methyl-1-piperazinesulphonyl)benzoic acid 215299-33-5P

RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)

(intermediate double salt; chemical engineering process development of com. synthesis route to Sildenafil)

RN 194602-23-8 CAPLUS

CN Benzoic acid, 2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)

RN 215299-33-5 CAPLUS

CN Benzoic acid, 2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]-, monohydrochloride, compd. with N,N-diethylethanamine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 194602-23-8 CMF C14 H20 N2 O5 S

CM 2

CRN 121-44-8 CMF C6 H15 N

IT **200575-15-1P**, 4-[2-Ethoxy-5-(4-methyl-1-piperazinylsulphonyl)benzamido]-1-methyl-3-propyl-1H-pyrazole-5-carboxamide

RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)

(intermediate; chemical engineering process development of com. synthesis route to Sildenafil)

RN 200575-15-1 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 4-[[2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]benzoyl]amino]-1-methyl-3-propyl-(9CI) (CA INDEX NAME)

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 25 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1999:729792 CAPLUS

DN 132:279187

TI Synthesis of sildenafil

AU Shen, Jing; You, Congchao; Wu, Song

CS Institute of Materia Medica, Chinese Academy of Materia Medica and Peking Union Medical College, Beijing, 100050, Peop. Rep. China

SO Zhongguo Yaowu Huaxue Zazhi (1999), 9(3), 220-222 CODEN: ZYHZEF; ISSN: 1005-0108

PB Zhongguo Yaowu Huaxue Zazhi Bianjibu

DT Journal

LA Chinese

IT 194602-23-8P 200575-15-1P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (synthesis of sildenafil)

RN 194602-23-8 CAPLUS

CN Benzoic acid, 2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)

RN 200575-15-1 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 4-[[2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]benzoyl]amino]-1-methyl-3-propyl- (9CI) (CA INDEX NAME)

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ANSWER 26 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
L5
ΑN
     1998:721699 CAPLUS
DN
     129:330741
TI
     Preparation of pyrazolopyrimidinones as inhibitors of type 5 cyclic
     quanosine 3',5'-monophosphate phosphodiesterase (cGMP PDE5) for the
     treatment of sexual dysfunction.
     Bunnage, Mark Edward; Mathias, John Paul; Street, Stephen Derek Albert;
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     Wood, Anthony
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     Pfizer Ltd., UK; Pfizer Inc.
     PCT Int. Appl., 157 pp.
     CODEN: PIXXD2
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RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of pyrazolopyrimidinones as inhibitors of type 5 cyclic

guanosine 3',5'-monophosphate phosphodiesterase for the treatment of sexual dysfunction)

RN 194602-23-8 CAPLUS

CN Benzoic acid, 2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]- (9CI) (CA INDEX NAME)

RN 215299-33-5 CAPLUS

CN Benzoic acid, 2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]-, monohydrochloride, compd. with N,N-diethylethanamine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 194602-23-8 CMF C14 H20 N2 O5 S

CM 2

CRN 121-44-8 CMF C6 H15 N

RN 215299-34-6 CAPLUS

CN 1H-Pyrazole-5-carboxamide, 4-[[2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]benzoyl]amino]-1-(phenylmethyl)-3-propyl- (9CI) (CA INDEX NAME)

RN 215299-79-9 CAPLUS

CN Benzoic acid, 5-[(4-ethyl-1-piperazinyl)sulfonyl]-2-propoxy- (9CI) (CA INDEX NAME)

RN 215299-80-2 CAPLUS

CN 1H-Pyrazole-3-carboxamide, 5-ethyl-4-[[5-[(4-ethyl-1-piperazinyl)sulfonyl]-2-propoxybenzoyl]amino]-1-(2-pyridinylmethyl)- (9CI) (CA INDEX NAME)

RN 215299-81-3 CAPLUS

CN Benzoic acid, 5-[(4-ethyl-1-piperazinyl)sulfonyl]-2-propoxy-, monomethanesulfonate (9CI) (CA INDEX NAME)

CM 1

CRN 215299-79-9 CMF C16 H24 N2 O5 S

CM 2

CRN 75-75-2 CMF C H4 O3 S

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

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IN
             Dunn, Peter James; Wood, Albert Shaw
PA
            Pfizer Limited, UK; Pfizer Research and Development Company, N.V./s.A.
             Eur. Pat. Appl., 18 pp.
             CODEN: EPXXDW
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                                                  KIND DATE APPLICATION NO. DATE
            EP 812845 A1 19971217 EP 1997-303832 19970604 EP 812845 B1 19990714
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            TW 391961 B 20000601 TW 1997-86106681

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(process for prep	aratio	n of clin. a	ualitv sildena	fil by cyclization)
194602-23-8 CAPLUS		-	4	
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Benzoic acid, 2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]- (9CI) (CA

INDEX NAME)

RN 200575-15-1 CAPLUS
CN 1H-Pyrazole-5-carboxamide, 4-[[2-ethoxy-5-[(4-methyl-1-piperazinyl)sulfonyl]benzoyl]amino]-1-methyl-3-propyl- (9CI) (CA INDEX NAME)

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FULL ESTIMATED COST

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